

**Claims****Claim 1**

A bridge converting linear movement into rotation, which comprises N ( where N is greater than 1 ) moving road segment(s) coupled by the mean of N rod(s) to a crankshaft that is parallel to the traffic direction and producing rotation in discrete steps when vehicles pass on the moving part of the said bridge.

**Claim 2**

A bridge converting linear movement into electrical energy, which comprises N ( where N is an integer greater than 1 ) moving road segment(s) coupled by the mean of N rod(s) to a crankshaft that is parallel to the traffic direction and producing rotation in discrete steps that are converted in electrical energy by the mean of well known technologies.